

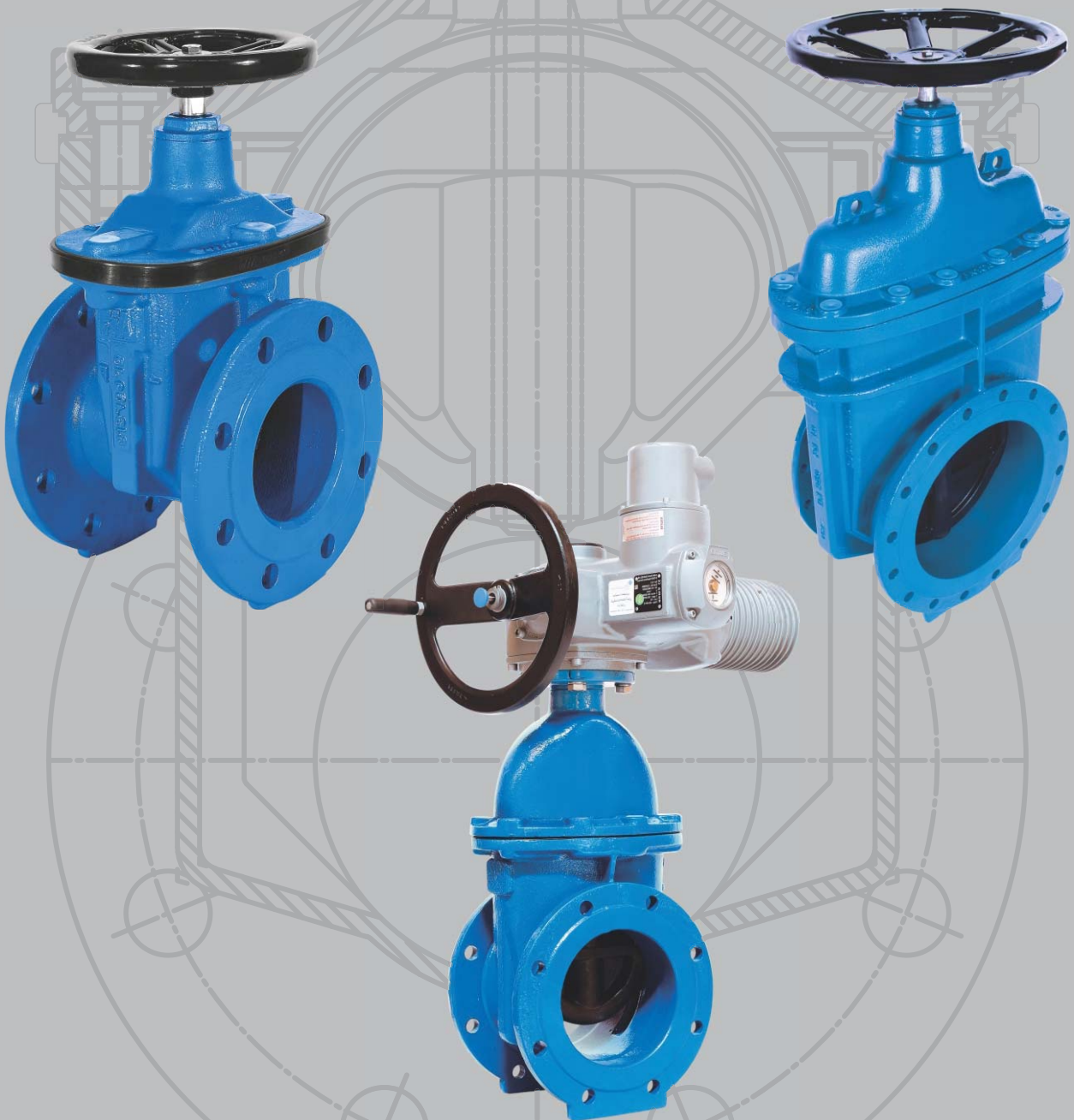


®

MIRAB CO.

Manufacturer of Industrial Valves
and Relevant Equipment

Soft-Sealing Gate Valves



www.mirab-valves.com

Soft-Sealing Gate Valves

Size: DN 50 – 400

Pressure: PN 10 – 16

Flanges: DIN EN 1092 – 2 (DIN 2501)

Face to face: DIN EN 558 – 1 series 14/15 (DIN 3202 – F4 & F5)

Product Features:

Body material is cast iron EN-GJS-400-15& EN-GJS-500-7 and solid wedge is fully covered by NBR or EPDM. Stem material is stainless steel & nut material is brass. Valve is designed in such a way that provides safe sealing. By turning the stem clockwise valve goes to close position, with the elastic design of the sealing wedge (soft sealing), it gives absolute tightness with minimum torque. Flanges dimensions are same together in sizes up to DN 150.

Application:

Mirab soft sealing gate valves are used for closing and opening fluid flow. The Gate valves soft sealing is used for fluids up to 70°C such as drinking water and untreated water, compressed air per Certificate DVGW-G260. (Other media on request). Application fields are water supplies, dams, water treatment, pumping stations, pipe lines, industries, power plants, and irrigation.

Corrosion Protection:

Completely coated with blue electrostatic powder coating with minimum 250 micron thickness.

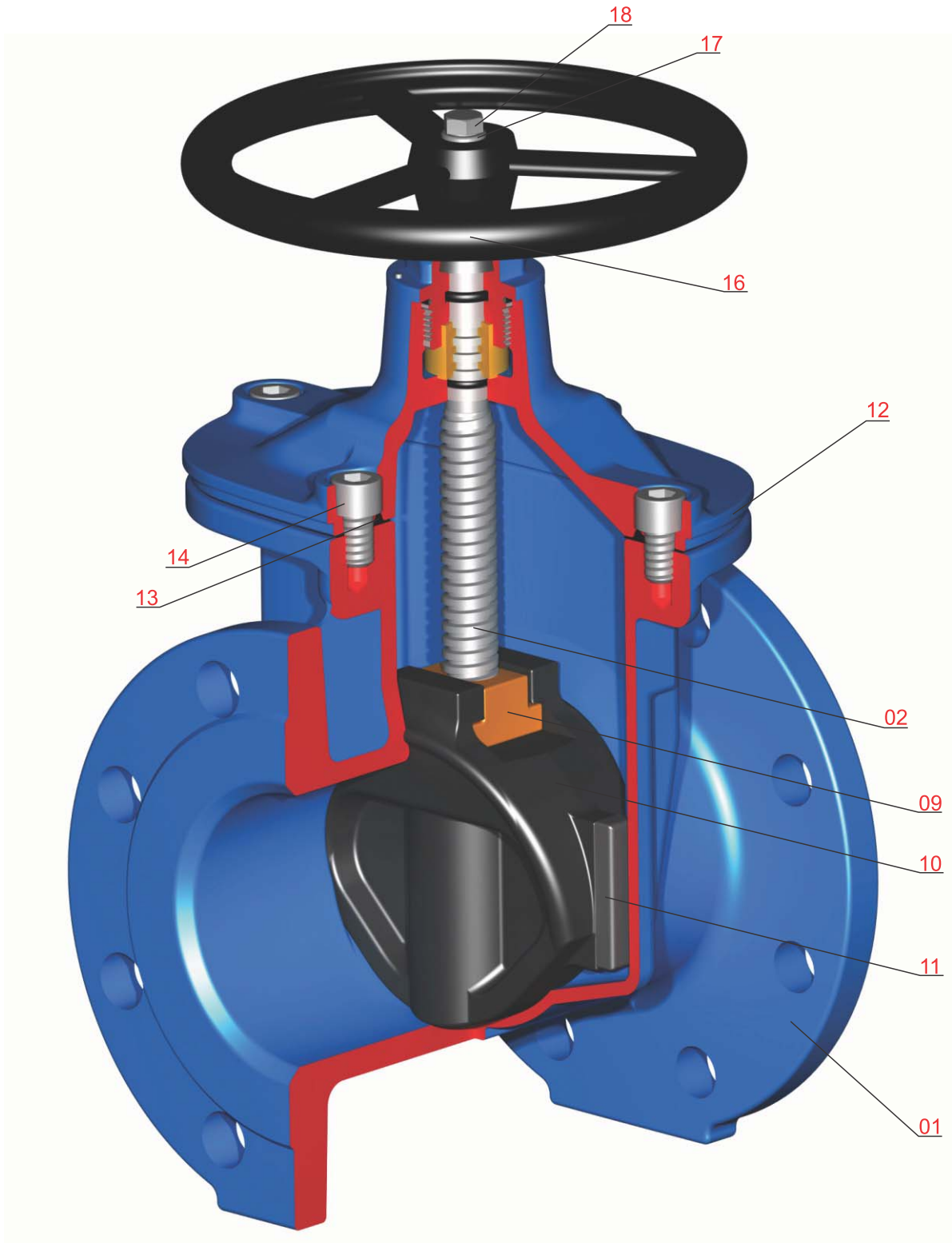
Hydrostatic test Pressure (bar) according to DIN EN 12266-1		
Nominal Pressure PN (bar)	Test Pressure	
	Shell Test	Closure Test
10	17	11
16	25	18

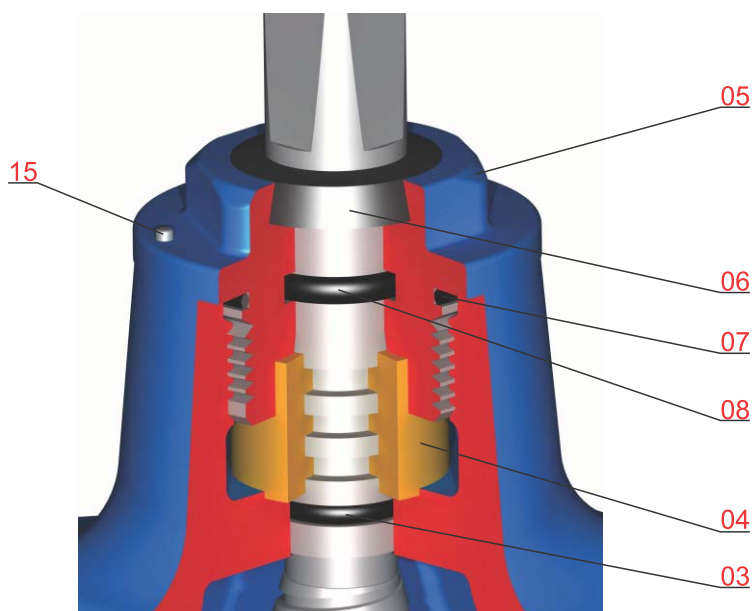
Pressure drop coefficient when the valve is fully open.

DN	50	65	80	100	125	150	200	250	300
K	0.19	0.185	0.18	0.17	0.15	0.13	0.12	0.1	0.09



Part List





Part No.	Part Name	Part Material	1	2
01	Body	* EN 1563/ EN-GJS-400-15		
02	Stem	DIN EN 10088-3/1.4021	•	
03	O-ring	NBR (EPDM on Request)	•	•
04	Bush	Brass		
05	Luck nut	* EN 1563/ EN-GJS-400-15		
06	Wiper	EPDM (NBR on Request)	•	•
07	O-ring	NBR (EPDM on Request)	•	•
08	O-ring	NBR (EPDM on Request)	•	•
09	Stem nut	DIN EN 12163/2.0540	•	
10	Wedge	EN 1563/ EN-GJS-400-15-EPDM(NBR on Request)	•	•
11	Wedge Aligner	POM	•	
12	Bonnet	* EN 1563/ EN-GJS-400-15		
13	Washer	EPDM (NBR on Request)	•	•
14	Socket head screw	DIN ISO 898-1 Property Class 8.8,Zinc Plated		
15	Pin	1.2210	•	•
16	Hand wheel	EN 1563/ EN-GJS-400-15		
17	Washer	DIN ISO 898-2 Property Class 8,Zinc Plated		
18	Hex. Bolt	DIN ISO 898-1 Property Class 8.8,Zinc Plated		

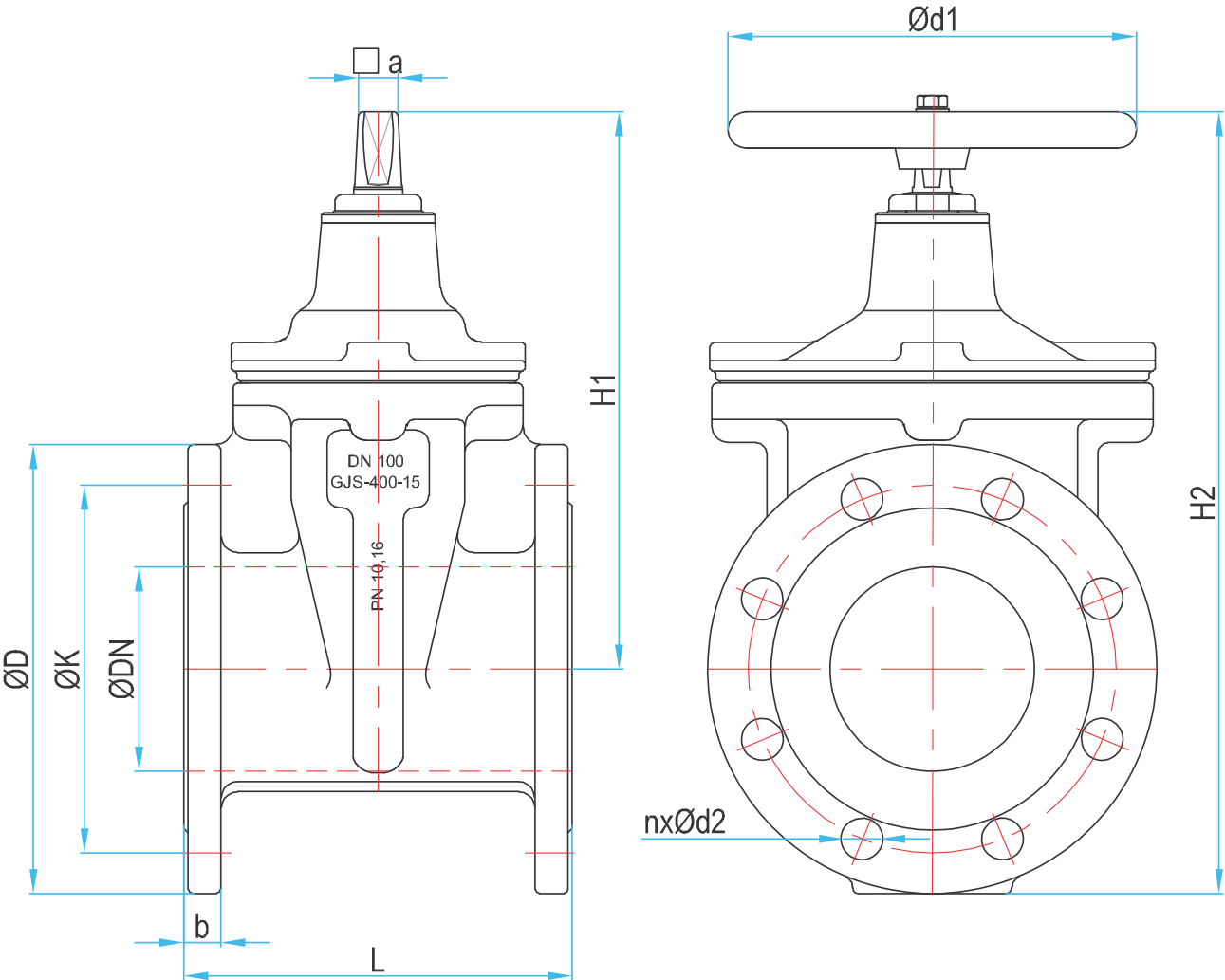
1-Recommended Spare Parts

2-Parts Subjected to Wear

* EN-GJS-500-7 available on request.



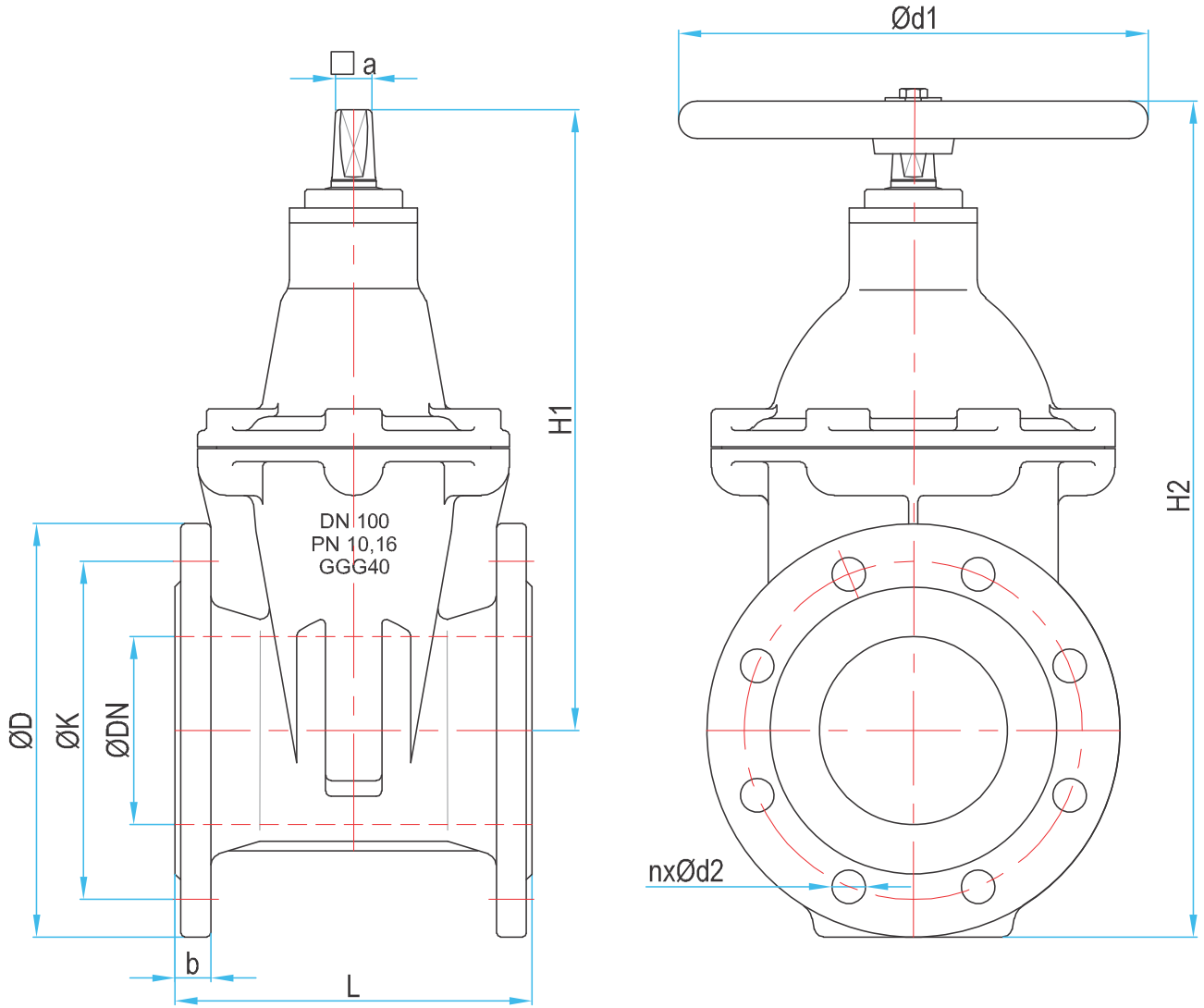
Dimensions & Weight of Gate Valve (F4)



- DIN EN 1092-2 (DIN 2501)
- DIN EN 558-1 series 14 (DIN 3202 F4)

$\varnothing DN$ mm	PN bar	$\cdot L$ mm	$\cdot \varnothing D$ mm	$\cdot \varnothing K$ mm	$\cdot n$	$\cdot \varnothing d2$ mm	$\cdot b$ mm	H1 mm	H2 mm	a mm	$\varnothing d1$ mm	Weight Kg
50	10 / 16	150	165	125	4	19	19	176	263	11	180	9
65	10 / 16	170	185	145	4	19	19	200	297	11	200	12
80	10 / 16	180	200	160	8	19	19	237	340	14	200	15
100	10 / 16	190	220	180	8	19	19	270	383	14	240	19
125	10 / 16	200	250	210	8	19	19	306	434	14	240	26
150	10 / 16	210	285	240	8	23	19	365	511	17	360	36
200	10	230	340	295	8	23	20	450	625	19	360	57
	16				12							

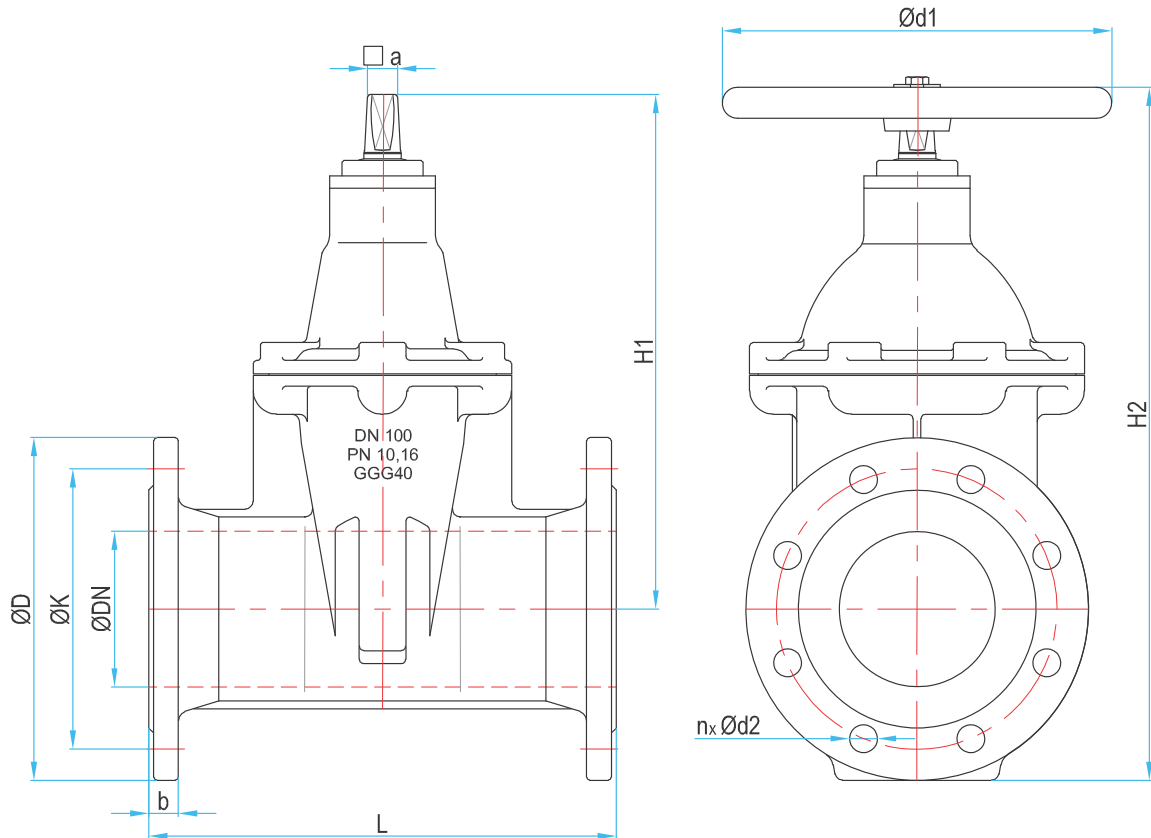
Dimensions & Weight of Gate Valve (F4)



• DIN EN 1092-2 (DIN 2501)

• DIN EN 558-1 series 14 (DIN 3202 F4)

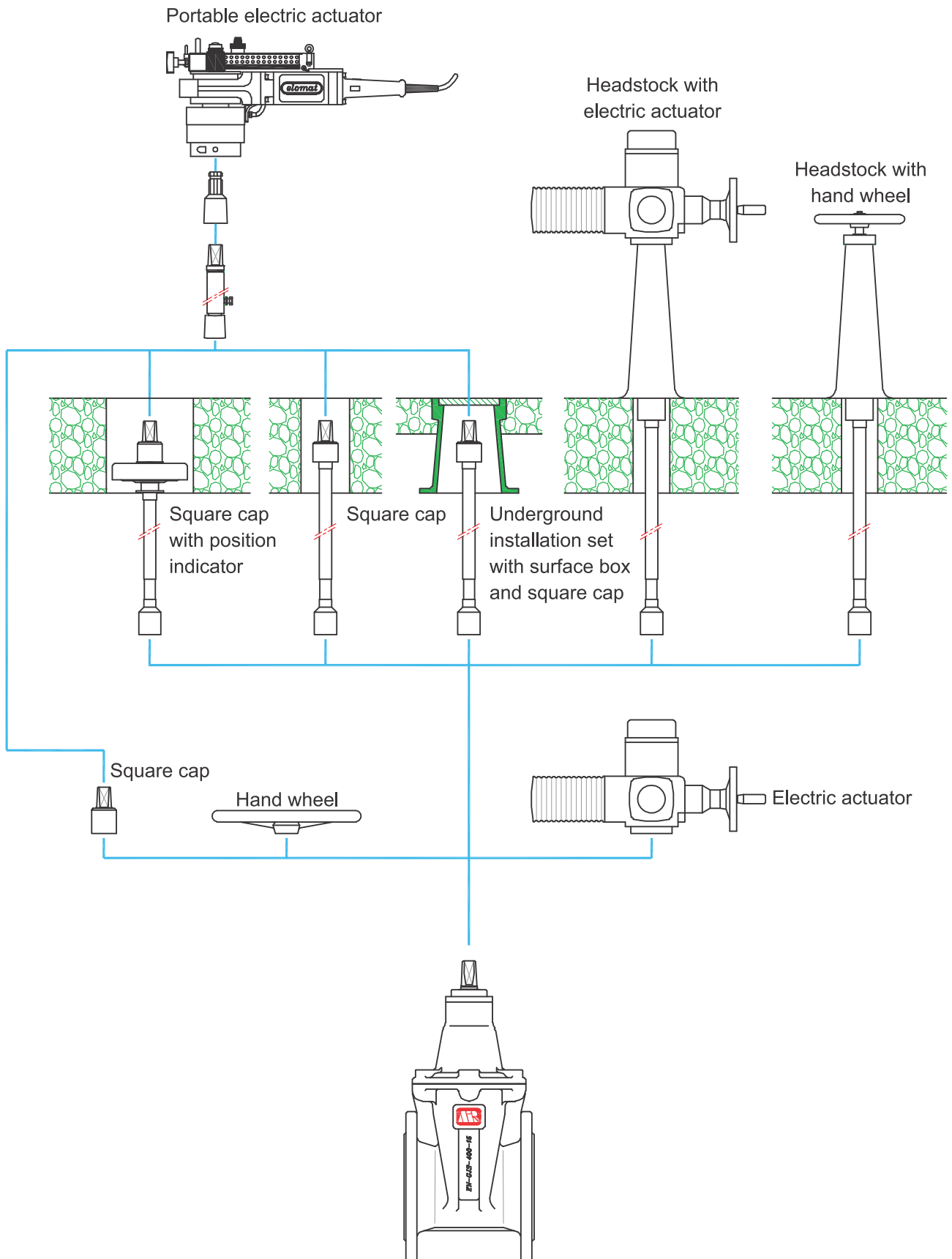
ØDN mm	PN bar	•L mm	•ØD mm	•ØK mm	•n	•Ød2 mm	•b mm	H1 mm	H2 mm	a mm	Ød1 mm	Weight Kg
250	10	250	400	350	12	23	22	651	859	27	500	108
	16			355		28						
300	10	270	455	400	12	23	24.5	723	956	27	500	156
	16			410		28						
350	10	290	505	460	16	23	24.5	815	1073	27	600	223
	16			470		28						
400	10	310	565	515	16	28	24.5	893	1180	27	500	275
	16			525		31						

Dimensions & Weight of Gate Valve (F5)


- DIN EN 1092-2 (DIN 2501)
- DIN EN 558-1 series 15 (DIN 3202 F5)

ØDN mm	PN bar	•L mm	•ØD mm	•ØK mm	•n	•Ød2 mm	b mm	H1 mm	H2 mm	a mm	Ød1 mm	Weight Kg
50	10 / 16	250	165	125	4	19	19	230	316	14	200	13
65	10 / 16	270	185	145	4	19	19	267	364	17	200	17
80	10 / 16	280	200	160	8	19	19	290	393	17	200	19
100	10 / 16	300	220	180	8	19	19	330	443	19	250	24
125	10 / 16	325	250	210	8	19	19	385	513	19	250	35
150	10 / 16	350	285	240	8	23	19	418	563	19	250	43
200	10	400	340	295	8	23	20	522	696	24	360	70
	16				12							
250	10	450	400	350	12	23	22	651	859	27	500	125
	16			355		28						
300	10	500	455	400	12	23	24.5	723	956	27	500	170
	16			410		28						

Types of actuators



Socket type Soft-Sealing Gate Valve

For PVC pipes with clamps



Socket type Soft-Sealing Gate Valve

For PVC pipes



Socket type Soft-Sealing Gate Valve

For Casted pipes



MIRAB Co' PRODUCTS

Butterfly Valves Family: Double Flanged Type, Butt-weld End, Wafer Type, Lug Type, Hydraulic Actuated, Pneumatic Actuated.

Gate Valves Family: Soft-Sealing Gate Valve, Metal Seat Gate Valve, Knife Gate Valve, Sluice Gate Valve.

Non Return Valves Family: Tilting Disc with Counter Weight, Tilting Disc with Counter Weight and Hydraulic Damper, Swing Check Valve, Silent Check Valve, Foot Valve, Nozzle Check Valve, Wafer Pattern Check Valve, Flap Valve.

Air Vent Family: Single Chamber - Double Orifices , Double Chambers - Double Orifices, Sewage Air Valves, Large - Orifice Air Valve.

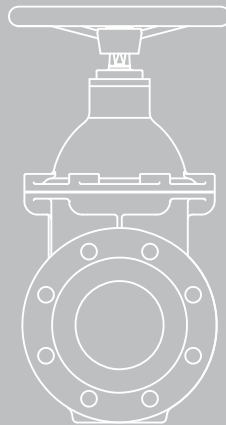
Control Valves Family: Automatic Control Valves, Needle Valve, Globe Valve, Fixed Cone Free Discharge Valve, Hollow Jet Valve, Sleeve Valve.

Hydrant Valves Family: Standing Type, Pit Type, Wet Barrel Fire Fighting Valve, Post Indicator Valve.

Strainers Family: Y Type, T Type, One Side Flanged Type.

Fittings Family: Dismantling Joint F1&F2, Pipe Coupling, Flange.

Actuators: Electrical, Hydraulic, Pneumatic, Portable Electrical.



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